Public Displays you simply can't ignore.

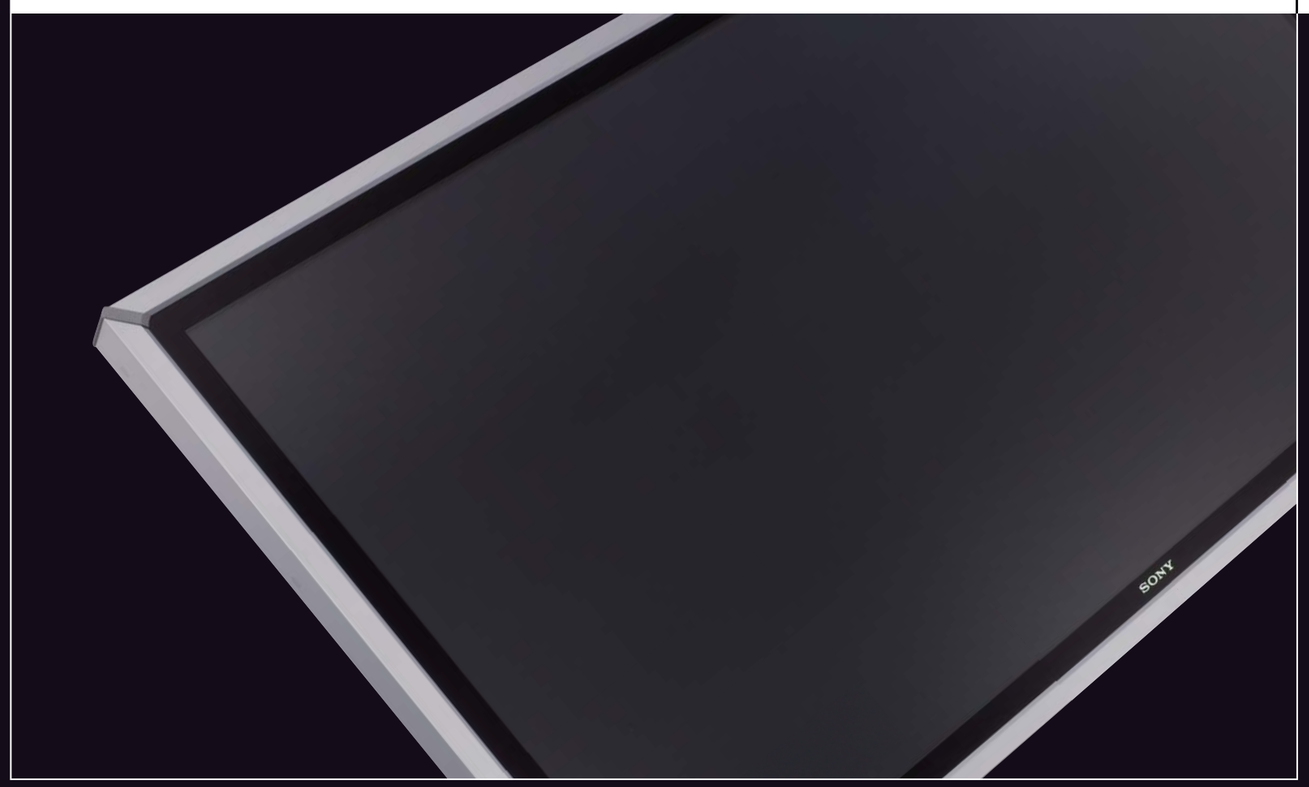
LCD Public Display
Range Guide 2009

SONY

www.sonybiz.net/publicdisplays

GXD-L65H1 GXD-L52H1 FWD-S47H1 FWD-S42H1 FWD-40LX2 FWD-32LX2

Your guide to our range of innovative, feature-rich LCD Public Displays.



PUBLIC DISPLAYS

Sony Professional's public displays are created based on our decades of experience in professional display technology. We have created a wide portfolio of LCD public displays suitable for a diverse range of digital signage applications including the retail, corporate, broadcast, medical, transport and venue sectors. Our product portfolio is comprised of the following three ranges:

65"/52"

47"/42"

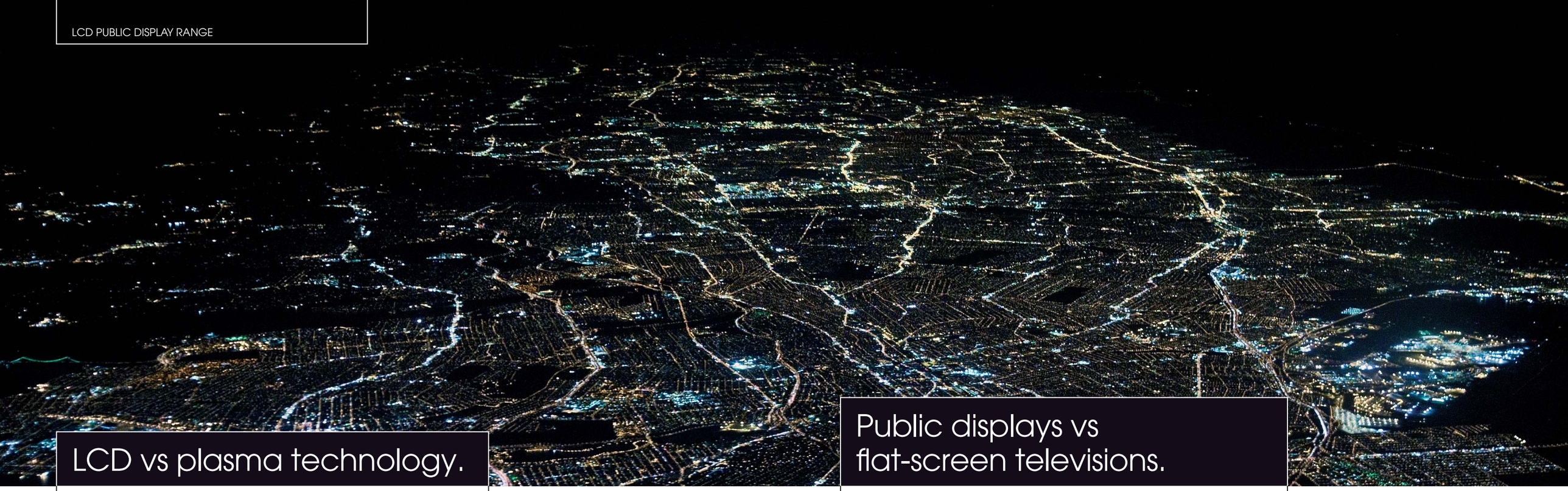
40"/32"

GXD-L65H1 GXD-L52H1
65" and 52" Robust Full HD Displays
With full HD resolution, these robust public displays are able to convey your message vibrantly in semi-outdoor environments.

FWD-S47H1 FWD-S42H1
47" and 42" Slim Bezel Full HD Displays
Full HD slim bezel LCD public displays that can form stunning video walls, and deliver digital messaging which will create an impact.

FWD-40LX2 FWD-32LX2
40" and 32" Entry Level Public Displays
These elegant screens are suitable for an array of digital signage applications.

LCD Public Display Range



LCD vs plasma technology.

LCD and plasma are completely different technology. LCD pictures are created using light shone through the screen's matrix of coloured liquid crystal cells. Plasma is an array of gas cells sandwiched between two sheets of glass which emit light when a voltage is applied. But which is best?

Why Sony has adopted LCD
Sony's research shows that LCD technology will provide better quality pictures, improved longevity and reduced operational costs.

LCD delivers:
- Brightness stability and better 'all white/all black' images than plasma
- A better contrast ratio in ambient light, creating strong visual presentations, even in strong daylight
- Better performance with static images without the danger of 'screen-burn' associated with plasma, ensuring that digital messaging does not become a permanent shadow on your screen
- Better efficiency, using less energy to display crisp sharp digital messaging.

The advantages of Sony's LCD technology
Sony Professional has created a unique processor technology that outperforms other LCD flat screens:

- Effortlessly converts an analogue signal to digital, providing superb image stability and accuracy
- Creates a high-density picture with sharper details and first-rate depth perception
- Fine tunes and scales all the parameters to produce perfect reproduction
- Uses the industry's No.1 driver to generate depth of colour, and natural contrast.

Public displays vs flat-screen televisions.

At the core of public display design are two fundamental criteria. Firstly, corporate, retail and industrial need absolute reliability, based on much heavier daily usage than domestic users. Secondly, public displays must deliver exceptional versatility, both in terms of performance in a variety of conditions and in terms of connectivity.

Sony Professional's range of public displays incorporate an industry-leading array of features to enable enhanced performance across the full scope of public applications:

Design: Sleek, elegant, timeless lines

LCD panel: Priority on brightness/ power consumption

Orientation: Designed for both landscape and portrait use

Multiple display: Multi display function for video walls and high impact presentation

Interface: Input selection and system capability, solid signal connection and embedded LAN (or RS232c) control terminal.

Additional specialist features:
- Intelligent key lock (protected by password)
- Auto zoom
- PinP, P&P for videoconference, and other industrial applications
- Remote monitoring / diagnosis function, network reporting function
- Scheduling on/off function
- 'Power on Delay' for multi display application
- Power eco mode, screen saver mode, and auto power save mode
- Index function for multi display.

Sony Professional's unique range delivers all of this functionality in a range of versatile formats designed to meet just about every eventuality in public applications.

LCD Public Display Range

GXD-L65H1 / GXD-L52H1

65" and 52" Robust Full HD Displays.

These public displays have been designed to create an impact. Being the largest in our range, robustly built and with full HD resolution, they are able to convey your message vibrantly in semi outdoor environments.

These displays have been designed to be resilient – the GXD-L65H1 has IP54 certification for being dust proof and splash proof. The GXD-L52H1 is IP30 certified for being dust resistant. In addition, both these models have an impact resistant tempered glass front panel. They also both incorporate an innovative 'Intelligent Backlight Control System' which ensures the screen will continue working even if one or more of the lamps fails.

Applications

The robustness and the reliability of these screens make them perfectly suited for installation into transport, manufacturing, sporting venues and retail environments. Furthermore, the HDSDI compatibility makes them suitable for use in broadcast and healthcare applications.

Key Features

IP54 Dust-proof & Splash-proof design (GXD-L65H1) – Water splashing upon the screen from any angle will not affect the display. The design of this display will prevent dust particles entering in sufficient quantity and size to interfere with the safe and proper operation of the equipment.

Intelligent Backlight Control System – this has been designed so that if one of the Cold Cathode Fluorescent Lamp (CCFL) which make up the backlight fails, the display will still work. (Conventional monitors will switch off after the failure of one lamp). If a second CCFL fails, a warning report will be sent.

1080 Full HD
1080 Full High Definition refers to 1080 lines. This is the common broadcast format and 1080 Full HD replicates this exactly. All 1080 Full HD models are also HD ready but have a higher resolution of 6.2 megapixels to deliver clarity.

High Contrast Ratio of 2500:1
The high contrast ratio of these displays allow a distinct differentiation between the darkest and brightest colour thereby optimising the clarity of your message.

Impact Resistant Front Panel
The robust glass front provides protection against impact, dirt and splashing. It can be replaced if damaged without removing the display from its mounting.

Picture-in-Picture (PiP), Picture-and-Picture (PaP)
PIP allows for the picture from a secondary source to be displayed within the main picture. PAP allows the pictures from 2 separate sources to be displayed side-by-side.

Range of Connectivity Options
These displays come with an array of connectivity options: These include a built-in RJ45 network connection and HDSDI Compatibility. High Definition connectivity options include HDMI, DVI–HDCP and inputs. Also RS-232C and Control-S connections are available with one of the Option Boards.*

Stylish Design – the materials used in these displays are stylish yet complement the resilient build. For example, the aluminium frame is robust, resilient and attractive.

* Please refer to 'Accessories' section

Other features

Anti-Glare Anti-Reflection AGAR Coated Front Glass Panel (GXD-L65H1) – to promote maximum visibility. (AG coated front panel on the GXD-L52H1).

High Level of Brightness (LCD Panel) – 700 cd/m^2.

Control Panel Lock – Disable the control panel to prevent unauthorised changes of display settings.

Landscape & Portrait Installation – Sony logo and Menu are automatically switched according to screen layout.

Multi Display Setup – Besides 2x2, 3x3 and 4x4, you can now choose 1x2, 1x3, 1x4, 2x1, 3x1 and 4x1 formations.

On/Off Timer – Power on/off time can be programmed as hh:mm per day as well as on specific day(s) of the week.

DICOM-simulated Gamma – Allows for Simple Picture Viewing for Education and second viewing radiology.

LCD Public Display Range

FWD-S47H1 / FWD-S42H1

47" and 42" Slim Bezel Full HD Displays.

FWD-S47H1 / FWD-S42H1

These stylish 47" and 42" public displays combine the astounding picture quality of 1920 x 1080 Full High Definition in a slim bezel format, together with a host of application-enhancing features.

The combination of the slim bezel design and the Full HD resolution make these screens the perfect choice for captivating and colourful video walls. The rich, vibrant Full HD images are captivating from 10 metres, and crystal clear at two metres, with a wider viewing angle perfect for retail, promotions, signage and corporate display. These displays also have an array of specialist features for the retail, broadcast, corporate and medical applications.

Applications

The combination of Full HD picture and ultra slim bezel creates a powerful visual impact ideal for video walls. Specialist HDSDI interfaces support broadcast and medical applications. These screens also have Gamma setting in accordance with GSDF and DICOM standards for medical use. Plus, the Conference mode and PAP features make them suitable for video conferencing applications.

Key features

1080 Full HD
1080 Full High Definition refers to 1080 lines. This is the common broadcast format and 1080 Full HD replicates this exactly. All 1080 Full HD models are also HD ready but have a higher resolution of 6.2 megapixels to deliver clarity.

Slim Bezel – 19mm thin bezel
Our slimmest ever 19mm bezel optimises the screen area and creates sensational multiple applications like video walls and larger messaging installations.

Eco-Friendly
Innovative use of backlighting has enabled us to create industry-leading brightness with a power consumption of just 210w – up to 15% less than leading competitors.

The Eco-mode provides further operational savings.

Range of Connectivity Options
These displays come with an array of connectivity options: These include a built-in RJ45 network connection and HDSDI Compatibility.

High Definition connectivity options include HDMI and DVI–HDCP inputs. Also RS-232C and Control-S connections are available with one of the Option Boards.*

* Please refer to 'Accessories' section

Other features

High Level of Brightness (LCD Panel) - 700 cd/m^2

Contrast Ratio of 1000:1

Overscan on/off feature

Five picture modes

Three screen saver functions

DICOM-simulated Gamma – Allows for Simple Picture Viewing for Education and second viewing radiology.

Video-conferencing mode – screw holes on top for IPELA VC camera mount.

LCD Public Display Range

FWD-40LX2 / FWD-32LX2

40" and 32" Entry Level Public Displays.

FWD-40LX2

FWD-32LX2

These elegant LCD public displays may be the entry level models in our range but they have impressive levels of performance including an ultra wide viewing angle of 178 degrees, industry-leading contrast ratio of 1300:1 and high brightness of 500 cd/m^2.

Both LCD public displays offer superb picture quality in WXGA resolution and have an individual colour tuner to fine tune and emphasise individual colours.

Both models have an array of connectivity options: They support two HDMI/DVI (HDCP) digital interfaces and an HD15 analogue interface, as standard. In addition, they are pre-installed with a BKM-FW10 Video Input Adaptor and a monitor control adaptor in their option slots to accept a variety of analogue video and audio signals. They also offer external control capabilities via RS-232C and Control S interfaces. They also have an in-built speaker system.

Applications

These professional public display models can be widely used in digital signage applications such as in retail, hospitality and corporate environments.

Key features

Fine Colour Tuner
This feature means you can fine tune independent colours (Red, Green, Blue and Yellow) to exactly match your requirements – this is particularly useful where you wish to ensure a precise match with your company or brand logos, for example.

Built-in audio amplifier and optional speakers
These displays are equipped with an audio amplifier for clear and powerful audio reproduction with enhanced modes such as Surround, Bass, Treble and Balance.

Picture-and-Picture (PaP)
PaP allows you to watch two input sources at the same time with the two sources displayed side by side.

Easy multi-display setup with new 'Window' option
To set-up a Video Wall Multi Display, simply select your wall configuration (2x2, 3x3 or 4x4) and then select the position of the screen within the grid.

Range of Connectivity Options
These displays come with an array of connectivity options: These include dual HDMI inputs and the BKM-FW10 board is supplied as standard to support composite video, S-Video and audio input.

Self-diagnosis alarm
To ensure timely maintenance, a self-diagnosis alarm can be sent via the RS232C port or simply on the status menu.

Other features

High Level of Brightness (LCD Panel) – 500 cd/m^2.

Control Panel Lock – Disable the control panel to prevent unauthorised changes of display settings.

On/Off Timer – Power on/off time can be programmed as hh:mm per day as well as on specific day(s) of the week.

LCD Public Display Range

Accessories.

Sony Professional also offers an extensive range of digital signage accessories. Please see below for an overview of the hardware accessories available which range from speakers to digital signage players.

Optional Boards:

BKM-FW10 ■■■
Input Board Video Composite and S-Video

BKM-FW11 ■■■
Component/RGB Input Adaptor (5BNC)

BKM-FW12 ■
Active Loop RVB / Composite

BKM-FW15 ■■
Double HDMI Input Adaptor

BKM-FW16 ■■
HD-SDI/SDI Input Adaptor

BKM-FW21 ■■■
Monitor Control Adaptor

BKM-FW32 ■
Network Management Board for FWD series

Digital Signage Player:

BKM-FW50 ■■■
Digital Signage Board / Streaming Receiver Adaptor

VSP-NS7 ■■■
Digital Signage Player

Speakers:

SS-SP32FW ■
Speaker System

SS-SP40FW ■
Speaker System

SS-SPG02 ■■
Speaker System

Display Stand:

SU-S01 ■
Display Stand

■ GXD-L65H1 / GXD-L52H1 ■ FWD-S47H1 / FWD-S42H1 ■ FWD-40LX2 / FWD-32LX2

LCD Public Display Range

Series		ROBUST – FULL HD		SLIM-BEZEL – FULL HD		ENTRY LEVEL	
Model		GXD-L65H1	GXD-L52H1	FWD-S47H1	FWD-S42H1	FWD-40LX2	FWD-32LX2
Panel	Panel system	LCD Panel	a-Si TFT Active Matrix LCD Panel	a-Si TFT Active Matrix LCD Panel	a-Si TFT Active Matrix LCD Panel	a-Si TFT Active Matrix LCD Panel	a-Si TFT Active Matrix LCD Panel
	Panel size	65"	52"	47"	42"	40"	32"
	Native resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1366 x 768	1366 x 768
	Maximum resolution	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1360 x 768	1360 x 768
	Luminance	700 cd/m²	500 cd/m²	700 cd/m²	700 cd/m²	500 cd/m²	500 cd/m²
	Contrast (dark room)	2500:1	800:1	1000:1	1000:1	1300:1	1300:1
	Viewing angle (H/V)	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°
	Pixel size (HxV)	0.744 x 0.744mm	0.6 x 0.6mm	0.5415 x 0.5415mm	0.4845 x 0.4845mm	0.648 x 0.648mm	0.510 x 0.510mm
	Colours	1.06 billions	1.06 billions	1.06 billions	1.06 billions	16.77 millions	16.77 millions
	Display area (HxV)	1428.48 x 803.52mm	1152 x 648mm	1040 x 585mm	930 x 523mm	885 x 498mm	698 x 392mm
Input connectors	PC	HD15/DVI-HDCP	HD15/DVI-HDCP	RGB / Component Video (HD15) DVI-D	RGB / Component Video (HD15) DVI-D	RGB / Component Video (HD15)	RGB / Component Video (HD15)
	Video	Composite Video (BNC) / S-Video (mini-DIN4) / Component Video (HD15) / HDMI	Composite Video (BNC) / S-Video (mini-DIN4) / Component Video (HD15) / HDMI	Composite Video (BNC) S-Video (mini-DIN4)	Composite Video (BNC) S-Video (mini-DIN4)	Composite Video (BNC)* S-Video (mini-DIN4)*	Composite Video (BNC)* S-Video (mini-DIN4)*
	Audio	(Stereo mini jack) x3	(Stereo mini jack) x3	(Stereo mini jack) x3	(Stereo mini jack) x3	Audio In L/R (RCA x2)* Common Audio In (Stereo mini jack)	Audio In L/R (RCA x2)* Common Audio In (Stereo mini jack)
	Control	LAN (RJ45) / RS232C* / S Control*	LAN (RJ45) / RS232C* / S Control*	LAN (RJ45) / RS232C* / S Control*	LAN (RJ45) / RS232C* / S Control*	RS232C Straight Cable* Control S (mini jack)*	RS232C Straight Cable* Control S (mini jack)**
Output connectors	PC	RGB / Component Video (HD15)	RGB / Component Video (HD15)	RGB / Component Video (HD15)	RGB / Component Video (HD15)	-	-
	Video	Composite Video (BNC)	Composite Video (BNC)	Composite Video (BNC)	Composite Video (BNC)	Composite Video (BNC)* S-Video (mini-DIN4)**	Composite Video (BNC)* S-Video (mini-DIN4)*
	Audio	(Stereo mini jack) x1	(Stereo mini jack) x1	(Stereo mini jack) x1	(Stereo mini jack) x1	-	-
	Speaker L/R	Speaker Output (L/R) 6ohms 7W+7W	Speaker Output (L/R) 6ohms 7W+7W	Speaker Output (L/R) 6ohms 7W+7W	Speaker Output (L/R) 6ohms 7W+7W	Speaker Output (L/R) 6ohms 7W+7W	Speaker Output (L/R) 6ohms 7W+7W
	Control	-	-	-	-	Control S (mini jack)*	Control S (mini jack)*
Video signal	Colour system	NTSC, PAL, NTSC4.43, PAL-M, PAL60, PAL-N	NTSC, PAL, NTSC4.43, PAL-M, PAL60, PAL-N	NTSC, PAL, NTSC4.43, PAL-M, PAL60, PAL-N	NTSC, PAL, NTSC4.43, PAL-M, PAL60, PAL-N	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL60, PAL-N	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL60, PAL-N
	Sampling Rate	13.5MHz to 162MHz	13.5MHz to 140MHz	13.5MHz to 140MHz	13.5MHz to 140MHz	13.5MHz to 140MHz	13.5MHz to 140MHz
Power requirements	Requirements	AC100-240V, 50/60Hz, Max 5.5A	AC100-240V, 50/60Hz	AC100-240V, 50/60Hz	AC100-240V, 50/60Hz	AC100 ~ 240V, 50/60Hz	AC100 ~ 240V, 50/60Hz
	Consumption	540W (max.)	380W (typ.)	279W	248W	200W	120W
	Standby	TBD	1W (Network not supported)			< 1.2W	< 1W
Dimensions	Dimensions	1557x931x183mm	1281x764x152mm	1080x627x129mm	972x565x125mm	988x591x125mm	796x486x107mm
	Shipping Dimensions	1681x1085x448mm	1400x922x366mm	1194x739x307mm	1084x700x280mm	1100x700x275mm	900x600x257mm
	(Kg/lb)	94 / 207.2	65 / 143	28.0Kg	23.0Kg	25.0 / 55.1	16.0 / 35.3
	Shipping Weight	103.0Kg	72.0 / 158.4	35.0Kg	30.0Kg	29.0 / 63.8	21.0 / 46.2
Optional slots	Optional slots	1 (Video/Com Port)	1 (Video/Com Port)	1 (Video/Com Port)	1 (Video/Com Port)	2	2
	Pre-installed option boards	-	-	-	-	2	2
Burn-in prevention	Picture inversion	-	-	-	-	-	-
	Picture orbit	-	-	-	-	-	-
	Picture all white	-	-	-	-	-	-
	Grey background	-	-	-	-	-	-
	Auto dimmer	-	-	-	-	-	-
PIP/PAP	PIP/PAP	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	- / Yes	- / Yes
Multi-display setup		2x2 / 3x3 / 4x4 1x2 / 1x3 / 1x4 2x1 / 3x1 / 4x1	2x2 / 3x3 / 4x4 1x2 / 1x3 / 1x4 2x1 / 3x1 / 4x1	2x2 / 3x3 / 4x4 1x2 / 1x3 / 1x4 2x1 / 3x1 / 4x1	2x2 / 3x3 / 4x4 1x2 / 1x3 / 1x4 2x1 / 3x1 / 4x1*	2x2 / 4x4	2x2 / 4x4
Bezel colours	Colours available	Silver	Silver	Bluish Black	Bluish Black	Silver or Black	Silver or Black
Operating conditions	Temperature	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 35°C (32°F ~ 95°F)
	Humidity	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)
Storing/Transporting conditions	Temperature	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)
	Humidity	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)	20% ~ 90% (no condensation)
Supplied accessories		AC Power Cord x1 Remote Control RM-FW002 x1 Size AA (R6) Batteries x2 AC Plug Holder x2 LAN Cable x1 Operating Instructions x1	AC Power Cord x1 Remote Control RM-FW002 x1 Size AA (R6) Batteries x2 AC Plug Holder x2 Cable Holder x8 LAN Cable x1 Operating Instructions x1	AC Power Cord x1 AC Plug Holder x2 LAN cable x1 Remote Control RM-FW002 x1 Size AA (R6) Batteries x2 Cable Holder x8 Operating Instructions x1	AC Power Cord x1 AC Plug Holder x2 LAN cable x1 Remote Control RM-FW002 x1 Size AA (R6) Batteries x2 Cable Holder x8 Operating Instructions x1	AC Power Cord x1 Remote Control RM-FW001 x1 Size AA (R6) Batteries x2 AC Plug Holder x2 Cable Holder x4 Component Video Signal Cable (HD15 - RCA x3) x1 BNC - RCA Adaptor x1 Operating Instructions x1	AC Power Cord x1 Remote Control RM-FW001 x1 Size AA (R6) Batteries x2 AC Plug Holder x2 Cable Holder x6 Component Video Signal Cable (HD15 - RCA x3) x1 BNC - RCA Adaptor x1 Operating Instructions x1
Optional accessories		Speakers SS-SPG02	Speakers SS-SPG02	Display Stand SU-S01 Speakers SS-SPG02	Display Stand SU-S01 Speakers SS-SPG02	Speakers SS-SP40FW	Speakers SS-SP32FW
Option Board	BKM-FW50 Digital Signage Board	Yes	Yes	Yes	Yes	Yes	Yes
	BKM-FW21 Monitor Control Adaptor (RS232C straight cable) (Control S In/Out)	Yes	Yes	Yes	Yes	Pre-installed	Pre-installed
	BKM-FW16 HDSDI Input/Output Adaptor (with audio)	Yes	Yes	Yes	Yes	-	-
	BKM-FW15 HDMI Input Adaptor (x2 inputs)	Yes	Yes	Yes	Yes	-	-
	BKM-FW12 Component/RGB Active Through Board	No (Built-in)	No (Built-in)	No (Built-in)	No (Built-in)	Yes	Yes
	BKM-FW11 Component/RGB Adaptor	Yes	Yes	Yes	Yes	Yes	Yes
	BKM-FW10 Video Input/Output Board	No (Built-in)	No (Built-in)	No (Built-in)	No (Built-in)	Pre-installed	Pre-installed
	BKM-FW32 Network Management Board for FWD series	No (Built-in)	No (Built-in)	No (Built-in)	No (Built-in)	Yes	Yes
Safety regulations		UL 60950-1, CSA No. 60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick	UL 60950-1, CSA No. 60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick	UL 60950-1, CSA No. 60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick	UL 60950-1, CSA No. 60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick	UL 60950-1, CSA No. 60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick	UL 60950-1, CSA No. 60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick

* via option board BKM-FW21 | * via option board BKM-FW21 | * via option board BKM-FW21 | * via option board BKM-FW21 | * via pre-installed option board | * via pre-installed option board

LCD Public Display Range

At Sony Professional we believe
images have immeasurable power

Images nurture life
connect cultures
grow economies
deliver justice
inspire education
energise entertainment
advance science
liberate imagination
capture history
even promote peace

We use the power of images to
increase business value

We turn images into assets

This is Visual Wealth

© 2009 Sony Corporation. All rights reserved. Reproduction in whole or in part without permission is prohibited. Features and specifications are subject to change without notice. All non-metric weights and measurements are approximate. Sony is a trademark of Sony Corporation. HDMI and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. All other trademarks are the property of their respective owners.

Distributed by

About Sony Professional
Sony Professional is the leading supplier of AV/IT solutions to businesses across a wide variety of sectors including, **Media and Broadcast**, **Video Security and Retail, Transport & Large Venue markets**. It delivers products, systems and applications to enable the creation, manipulation and distribution of digital audio-visual content that add value to businesses and their customers. With over 25 years' experience in delivering innovative market-leading products, **Sony Professional** is ideally placed to deliver exceptional quality and value to its customers. **Sony's Professional Services** division, its systems integration arm, offers its customers access to the expertise and local knowledge of skilled professionals across Europe. Collaborating with a network of established technology partners, Sony Professional delivers end to end solutions that address the customer's needs, integrating software and systems to achieve each organisations' individual business goals. For more information please visit **www.sonybiz.net**

SONY